

# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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News media information 202/418-0500 Fax-On-Demand 202/418-2830

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## Report No. 410                      EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 12/1/07 to 1/1/08:

- **WE2XBP CATERPILLAR, INC. 0003-EX-PL-2007**  
New experimental to operate in select frequency bands between 21 MHz and 1800 MHz for electromagnetic compatibility immunity testing.  
Mobile: Tucson, AZ; Peoria, IL
- **WE2XLY UTAH STATE UNIVERSITY 0328-EX-PL-2007**  
New experimental to operate in 32.30 MHz-32.70 MHz for meteor wind radar testing.  
Fixed: Garden City (Rich) UT
- **WE2XKW ORANGETOWN, TOWN OF 0471-EX-PL-2007**  
New experimental to operate in 35.8-474.375 MHz for testing software defined radios for public safety interoperability.  
Mobile: Orangetown, NY and surrounding areas
- **KI2XBM MOTOROLA, INC. 0189-EX-PL-2007**  
New experimental to operate on 72.94 MHz, 72.95 MHz, 72.98 MHz, 74.6-74.8 MHz, 75.2-75.4 MHz and 75.66 MHz for testing and demonstrating land mobile radio equipment.  
Mobile: Fort Lauderdale (Broward), FL
- **WE2XDI UNIVERSITY OF WYOMING 0343-EX-PL-2006**  
New experimental to operate in 94.91-94.93 GHz to operate a radar to study the properties of clouds and storms.  
Mobile: United States and its territories
- **WE2XBU BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0102-EX-PL-2006**  
New experimental to operate on frequencies between 166 MHz and 955 MHz for an antenna test range.  
Fixed: Litchfield (Hillsboro), NH
- **WE2XMX PACIFIC GAS AND ELECTRIC COMPANY 0682-EX-PL-2007**  
New experimental to operate in 174-740 MHz for evaluating communications inside and around a nuclear reactor.  
Mobile: Avila Beach (San Luis Obispo), CA
- **WE2XMK TRIDENT SPACE & DEFENSE, LLC 0650-EX-PL-2007**  
New experimental to operate in 447.09-447.41 MHz, 447.24-447.56 MHz and 447.39-447.71 MHz for telemetry, tracking, and monitor safety of satellite launch vehicles.  
Fixed: Yona, GU
- **WE2XJX DETECT, INC 0472-EX-PL-2007**  
New experimental to operate on 449 MHz for testing radar wind profilers.  
Mobile: Hot Sulphur Springs (Grand County), CO

- **WE2XLF AMBIENT AIR QUALITY SERVICES, INC. 0429-EX-PL-2007**  
New experimental to operate on 915 MHz for studying air pollution by using a Vaisala LAP 3000 system, a Radio Acoustic Sounding System (RASS) wind/temperature profiler.  
Fixed: Middletown (Newcastle), DE
- **WE2XAQ LOCKHEED MARTIN CORPORATION 0654-EX-PL-2006**  
New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.  
Fixed: Palmdale (Los Angeles), CA
- **WE2XLR TRIDENT RESEARCH LLC 0630-EX-PL-2007**  
New experimental to operate a GPS re-radiator on 1575.42 MHz.  
Fixed: Austin (Travis), TX
- **WE2XLN L-3 COMMUNICATIONS CYTERRA CORPORATION 0563-EX-PL-2007**  
New experimental to operate in 2070 MHz-2195 MHz for testing Electromagnetic Motion Detection and Ranging (EMMDAR).  
Mobile: Orlando (Orange), FL; Arlington (Arlington), VA; Woburn (Middlesex), MA; Tinton Falls (Monmouth), NJ; Fairfax (Fairfax), VA; Washington, DC
- **WE2XGK STUTLER TECHNOLOGIES, CORP. 0010-EX-PL-2007**  
New experimental to operate in 3500-3700 MHz for field testing of new broadband wireless gear for functionality, compatibility and stability.  
Fixed & Mobile: Emporia (Lyon), KS
- **WE2XLA SANTA CLARA UNIVERSITY 0536-EX-PL-2007**  
New experimental to operate in 2.4012 GHz-2.4312 GHz for development of Small Satellite Design and Test  
Fixed: Stanford (Santa Clara), CA
- **WE2XKQ BOYCOM CABLEVISION INC. 0230-EX-PL-2007**  
New experimental to operate in 5.47GHz-5.725 GHz for testing and evaluating equipment for providing high speed data (HSD) and voice over IP (VOIP) service.  
Fixed: Poplar Bluff (Butler), MO; Wappapello (Wayne), MO; Williamsville (Wayne), MO; Greenville (Wayne), MO; Piedmont (Wayne), MO
- **WE2XKR TRACSTAR SYSTEMS 0440-EX-PL-2007**  
New experimental to operate in 14 GHz-14.50 GHz for testing of vehicle mounted earth station antenna system.  
Mobile: Orlando, FL
- **WE2XMC MOTOROLA, INC. 0649-EX-PL-2007**  
New experimental to operate in 57-64 GHz for research and development of communication systems.  
Fixed: Phoenix, AZ; Lake Mary, FL